Dart Aerospace Ltd. Monday, 7/9/2007 11:47:18 AM Date Kim Johnston **Process Sheet** : TUBE ASSEMBLY : CU-DAR001 Dart Helicopters Services **Drawing Name** Customer Job Number : 33365 : 11527 **Estimate Number** : D3021041 Part Number : NA P.O. Number · D3021/D3017 : 7/9/2007 S.O. No. : 1) A **Drawing Number** This Issue : N/A Project Number Prsht Rev. : LARGE FAB ASSY : A/A **Drawing Revision** Type First Issue Material : NIA Previous Run 1: 7/30/2007 1 Um: Each Qty: Due Date Written By Checked & Approved By : Est. 01.10/.23 New Issue Comment **Additional Product** Job Number: Description: Seq. #: 4130 Tube 750 OD x.049W 1.0 M4130NT0750W049 Comment: Qty.: 2.1875 f(s) 2.1875 f(s)/Unit Total: 4130 Tube .750 OD x.049W batch: M100843 Cut:- AISI 4130N tube, Ø3/4" x 0.049" wall 2.0 LARGE FAB 1 Comment: LARGE FABRICATION RESOURCE 1 1-Cut tube as per Dwg D3021 2-Drill tube as per Dwg D3021 using D3021-041T1 3--Deburr INSPECT WORK TO CURRENT STEP 3.0 QC5 0.08-3.3Comment: INSPECT WORK TO CURRENT STEP M4130NS049 4130 Sheet .049 wall 4.0 Comment: Qtv.: 1.0500 sf(s)/Unit Total: 1.0500 sf(s) 4130 Sheet .049 wall

Cut:- AISI 4130N sheet, 18 gauge (0.050 thick)

batch: M(I G/2
Identify For D3017-11 Cap

M01/08/22

## **Dart Aerospace Ltd**

W/O:			WORK ORDER	CHANGES	ES				
DATE	STEP	PROC	EDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
		,							
Part No	):	PAR #:	Fault Category:	NCR: Ye	s No DQ	A: 🔼	Date: ∠	57/09/12	
				QA	N/C Close	d:	_ Date: _		

NCR:		,	WORK ORD	ER NON-CONFORMAN	CE (NCR)			
		Description of NC		Corrective Action Section B				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

Monday, 7/9/2007 11:47:18 AM Date: Kim Johnston User: **Process Sheet** Drawing Name: TUBE ASSEMBLY Customer: CU-DAR001 Dart Helicopters Services Part Number: D3021041 Job Number: 33365 Job Number: Description: Seq. #: **Machine Or Operation:** I ARGE FABRICATION RESOURCE 1 5.0 LARGE FAB 1 Comment: LARGE FABRICATION RESOURCE 1 1-Cut end caps as per Dwg D3017 2-Weld as per Dwg D3021 A/R Steel Rod Batch: VISUAL WELDING INSPECTION 6.0 QC9 Comment: VISUAL WELDING INSPECTION INSPECT WORK TO CURRENT STEP 7.0 QC5 Comment: INSPECT WORK TO CURRENT STEP POWDER COATING 8.0 Comment: POWDER COATING Powder Coat Grey Sandtex (Ref: 4.3.5.6) as per QSI 005 4.3 INSPECT POWDER COAT/CHEMICAL CONVERSION 9.0 QC3 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE #1 10.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: & A FINAL INSPECTION/W/O RELEASE QC21 11.0 Comment: FINAL INSPECTION/W/O RELEASE Job Completion

W Dr. G12

## Dart Aerospace Ltd

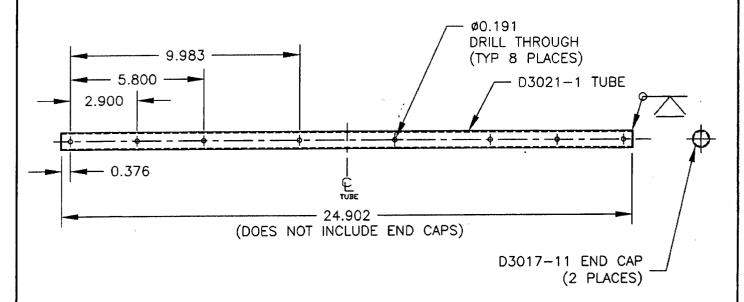
W/O:		WORK ORDER (	WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspecto	
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Part No	:	PAR #: Fault Category:	NCR: Yes	No DQ	A:	_ Date: _		
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NCR:			WORK ORDER NON-CONFORMANCE (NCR)						
		Description of NC		Corrective Action Section B					
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector	
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NOTE: Date & initial all entries



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CH	ECKED A	APPROVED .	DRAWING NO.	REV. A
	#	ar	D3021 SHEET	1 OF 1
DA	TE		TITLE	SCALE
0	1.05.18		TUBE ASSEMBLY	1:4
A		01.05.18	NEW ISSUE	



<u>D3021-041 TUBE ASSEMBLY</u> (D3021-1 TUBE) SHOP COPY

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WITHOUT NOTICE

## NOTES:

1) PART IS SYMMETRIC ABOUT CENTERLINE

2) MATERIAL: AISI 4130 TUBE, Ø0.75 DIA x 0.049 WALL (M4130N-T0750W049)

3) WELD PER DART QSI 004

4) FINISH: POWDER COAT GREY SANDTEX (REF 4.3.5.6) PER DART QSI 005

5) ALL DIMENSIONS ARE IN INCHES

6) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

RELEASED OLOS-30

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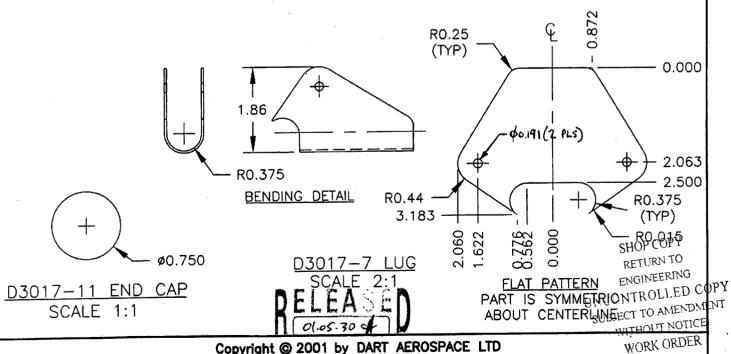


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CHECK	KED M	APPROVED	DRAWING NO.	REV. A
	4	#	D3017	SHEET 1 OF 2
DATE			TITLE	SCALE
01.0	05.18		BACK FRAME ASSEMBLY	1:1
Α		01.05.18	NEW ISSUE	

QTY	PART No.	DESCRIPTION	MATERIAL
X	D3017-041	BACK FRAME ASSEMBLY	N/A
1	D3017-1	TUBE	AISI 4130N TUBE, Ø0.75 DIA x 0.049 WALL (M4130N-T0750W049)
2	D3017-3	TUBE	AISI 4130N TUBE, Ø0.75 DIA x 0.049 WALL (M4130N-T0750W049)
1	D3017-5	TUBE	AISI 4130N TUBE, Ø0.75 DIA x 0.049 WALL (M4130N-T0750W049)
3	D3017-7	LUG	AISI 4130N SHEET, 18 GAUGE (M4130N-S049)
2	D3017-11	END CAP	AISI 4130N SHEET, 18 GAUGE (M4130N-S049)

## **NOTES**

- 1) WELD PER DART QSI 004
- 2) ON SHEET METAL PARTS, BREAK ALL UNMARKED CORNERS 0.020-0.040
- 3) FINISH: POWDER COAT GREY SANDTEX (REF. 4.3.5.6) PER DART QSI 005 4.3
- 4) ALL DIMENSIONS ARE IN INCHES.
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.



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